Environmental Solutions
Assessment - Engineering - Management

January 29, 2000
ES00-005.Rpt

Mr. Johnny Marasco
Boeing Realty Corporation
4060 Lakewood Blvd.
6th Floor
Long Beach, California

Class II Asbestos Abatement Monitoring Report
Underground Transite Conduit & Pipes (Phase II)
Boeing
19901 Normandie Avenue
Los Angeles, California

Introduction: Approximately 1000 feet of 4" diameter asbestos transite pipe encased in concrete were uncovered from underground and placed in an assigned area (southeast) of the subject site by Boeing for proper handling and disposal. This report presents the results of our observations and air monitoring of the subsequent class II asbestos abatement performed by Tri-State Restoration, Inc. The abatement was started on January 19 and completed on January 28, 1999.

Project Summary: Tri-State Restoration was retained by Boeing Realty Corporation to perform the class II asbestos abatement. The abatement was performed in accordance with the approved specification prepared by Environmental Solutions (see exhibit I).

All transite pipes and conduit were cut in transportable sections and placed in an area called the regulated work area (RWA). This area was taped out with caution tapes and was measured to be approximately 2,300 square feet. The sections were carefully separated from the surrounding concrete encasement, first, by the use of a large jack-hammer and then manually by asbestos abatement workers using hammer and chisel. The process of abatement included three different phases. 1) to perform a rush sweep of the RWA in order to collect large pieces, 2) to separate and collect all pieces of pipe attached to the concrete encasement, and 3) to perform two final clearance sweeps of the RWA from east to west in order to find and collect much smaller pieces of transite.

Environmental Solutions monitored the abatement activities on daily basis. Air samples were collected using low-flow air pumps and the northeast and the northwest corners. The air samples were analyzed daily by phase contrast microscopy (PCM) using NIOSH 7400 method for detection of asbestos fibers in the filters. The air sampling documentation is presented in exhibit III of this report.

Final visual clearance was performed at the completion of the final sweep on January 28. The RWA was found to be free of any visible pieces of transite debris. No assessment of the soil conditions was made or deemed warranted for this project. All transite materials were bagged and sealed and placed in an approved bin for transport to an approved land-filled by BDC transport.

Conclusion: Tri-State workers were protected by tyvek suits, half-face respirators and hard hats for the duration of this project. We believe that the abatement activities were performed in accordance with 29 CFR 1926.1101 for handling and disposal of non-friable asbestos materials (class II).

The following exhibits are included and complete this report.

- **Exhibit I** Abatement Specification
- **Exhibit II** Field Reports
- **Exhibit III** Air Sample Documentation

Environmental Solutions

Michael Rezvani, REA, CAC
Principal

CERTIFIED ASBESTOS CONSULTANT
MICHAEL REZVANI
No. 1225C
Expires: 10/2000
STATE OF CALIFORNIA

Exhibit I
Abatement Specification

Environmental Solutions

Assessment - Engineering - Management

CLASS II ASBESTOS ABATEMENT SPECIFICATION

BOEING

(UNDERGROUND TANSITE PIPES)

Prepared For:

BOEING REALTY CORPORATION
&
Tri-State Restorations, Inc.

BY:

MICHAEL REZVANI, REA, CAC
PRINCIPAL

January 5, 2000

Environmental Solutions
Assessment - Engineering - Management

CONTENTS

1.0 SCOPE OF WORK

1.1 General
1.2 Specific

2.0 GENERAL REQUIREMENTS

2.1. Performance Schedule & Sequence of Work
2.2. Reporting Requirements
2.3 Applicable Regulation, Codes, and Standards
2.4. Notices and Submittals
2.5. Warning Signs and Labels

3.0 SAFETY

3.1. General
3.2. Work Environment
3.3. Ladders, Scaffolds, and Work Platforms

4.0 AREA CLEARANCE STANDARDS

4.1. Final Air Clearance
4.2. Final Inspection
4.3. Disposal of Contaminated Materials

1.0 SCOPE OF WORK

1.1 General

1.1.1. The work under this section shall include initial area restriction, area preparation, removal of non-friable asbestos containing materials (ACM), final cleanup, and disposal of asbestos-containing materials (transite pipes). This work shall also include any materials contaminated by appreciable amounts (greater than 1%) of asbestos.

1.1.2. Any material encountered during the work procedure for which there is a question as to its asbestos content may simply be removed as suspect asbestos material or can be tested.

1.1.3. Tri-State Restoration is responsible for and shall furnish all labor, material, equipment, service, and incidentals necessary for the performance of the work in accordance with scope of work herein.

1.2. Specific

1.2.1. Tri-state shall restrict and contain the regulated work areas as designated and discussed during the pre-abatement job-walk to conduct class II ACM removal. The regulated work area (RWA) shall consist of physical marking barriers to restrict entry and exit and one decontamination unit (decon).

1.2.2. The decon shall be at the point of entry to RWA. A shower (optional) may be used, for decontamination purposes in the middle air lock.

1.2.3. Tri-State shall maintain a HEPA vacuum to decontaminate the adjacent areas having potential for cross-contamination. These areas may become a part of RWA should debris migrate.

1.2.4. Tri-State shall remove the broken pieces of transite pipes from the dirt using approved wet methods as prescribed by 29 CFR 1926.1101 for class II abatement. The workers will then separate the transite pipes from the concrete encasement and place each transite piece inside of an asbestos bag/or any approved sealed container for final disposal.

Note: The process of breaking the concrete encasement can only be performed efficiently by a large jack-hammer which has the potential to break and disturb the transite pipes. This process of breaking the concrete casing to uncover/separate the transite pipe must be performed by a trained worker who is also protected by respirator and tyvek suit.

1.2.5. Tri-State shall use half-face respiratory protection as minimum for removal, transport and disposal process.

1.2.6. Tri-State shall perform personnel air sampling on at least one of the workers for the duration of each work-shift. Tri-State should also keep an activity log for record. The consultant is responsible for visual monitoring and/or area air sampling.

1.2.7. Tri-State shall be responsible for the safety of its crew and conducting safety meeting prior to the start of work. All workers must have submittals on site for review by Boeing or its consultant.

2.0 GENERAL REQUIREMENTS

This section sets forth all General Requirements covering the scope of work. Tri-State must adhere to these provisions prior to, during, and after any asbestos work activities on the subject site.

2.1. Performance Schedule and Sequence of Work

Tri-State shall commence performance of the Work at jobsite within ten (10) calendar days after receiving Notice to Proceed from Boeing Realty Corporation.

2.2. Reporting Requirements

Tri-State shall promptly submit any schedules, change of schedules and reports to Boeing Realty Corporation and the consultant.

2.3. Applicable Regulations, Codes, and Standards

2.3.1. Tri-State shall acknowledge that he is aware of and will maintain compliance with all regulations, codes, standards, and ordinances governing the performance of this work. Furthermore, Tri-State shall be responsible for any failure with applicable documents.

2.3.2. Applicable documents include but are not limited to the following:

A Title 29, Code of Federal Regulations, Part 1910, Sections 1910.134, 1910.1001, and Part 1926.1101. Occupational Safety and Health Administration (OSHA), U.S. Department of Labor.

B Title 40, Code of Federal Regulations, Part 61, National Emission Standards for Hazardous Air Pollutants. U.S. Environmental Protection Agency (U.S. EPA).

C Title 49, Code of Federal Regulations, Part 172, U.S. Department of Transportation.

D ANSI 86.1-1973 Commodity Specification for Air.

E California Administrative Code, Title 8, 22, and 26 and Regulation 11 Hazardous Pollutants, Rule 2 Asbestos and the Health and Safety Code.

F All Federal, State, County, and City regulations, codes, and ordinances as applicable.

2.3.3. The most current issue of each document shall apply. Where conflict among requirements or with these specifications exits, the more stringent requirement or interpretation shall apply.

2.3.4. The Contractor will provide at least one copy of any EPA, OSHA, State, or City regulations, code, or ordinance at the site available for review.

2.4. Notices and Submittals

Prior to commencement of this asbestos related work, Tri-State shall submit the following items:

2.4.1. Written Notice of Proposed activity to the applicable air pollution control agency(ies), not fewer than ten (10) days before beginning of work.

2.4.2. Written Notice of Proposed activity to the OSHA Regional Office or any other agency having jurisdiction.

2.4.3. Written proof that all required permits, licenses, and registrations have been applied for and/or received. This shall include Tri-State's Licenses and Asbestos Workers' Registrations.

2.4.4. An executed Special Endorsement (Insurance) Form (if not submitted during contract phase).

2.4.5. A notarized certification (optional) containing:

A. list of each employee (assigned to this project) by name and social security number

B. Indication that each person listed has received instructions on the hazards of asbestos exposure, on the proper use and fitting of respirators, on protective clothing, on the use of decontamination systems (including the proper entry and exit procedures), and on all work procedures and requirements, and that the employees understand these instructions.

2.4.6. Executed certificates of Worker's Release Forms (if applicable).

2.4.7. Proof of employee medical exams as required by OSHA regulations.

2.4.8. A notarized (optional) certification of:

A selected approved landfill site locations,

B transport procedures (Sec. 49 CFR Part 172), and

C use of proper disposal methods.

Note: This may be waived until after cleanup and landfill receipts can be attached or affixed.

2.4.9. Display telephone numbers and locations of emergency services including but not limited to fire, ambulance, doctor, hospital, police, power company, and telephone company.

2.5. Warning Signs and Labels

2.5.1. Tri-State shall adhere to necessary warnings, labels, and the posting of such notices specified herein or required by Federal, State, or local agencies for this project.

3.0 SAFETY

3.1. General

Tri-State shall be solely responsible for the safety, efficiency, and adequacy of his equipment, and methods, and for any damages which may result from their improper construction, maintenance, or operations. Tri-State shall erect and properly maintain at all times, as required by the condition and progress of the work, proper safeguards for the protection of the workers and shall post warning signs around the regulated work areas.

3.1.1. Tri-State shall designate a competent person of his organization on the work site, whose duty shall be the detection, recognition, and prevention of accidents and potential accidents. This person shall be the supervisor.

3.1.2. Tri-State shall assume all responsibility for any toxic effects to workers of the air supplied to respirators. He shall also assume all responsibility for any toxic effects to personnel or property caused by airborne particulates, mists, vapors, or any wetting agent(s) and for the disposal of said agent(s) and any residual toxic damaging residues.

3.2. Work Environment

The asbestos abatement work environment is extreme. Tri-State shall be aware of the ever present dangers and shall take the appropriate preventive measures to protect the workers from extreme environments (hot, cold, humid, wet) as well as from exposure to asbestos fibers.

3.3. Heavy Equipment

Tri-State shall adhere to all applicable OSHA regulations and standards with regards to heavy equipment and proper use and maintenance. He shall also follow proper decontamination procedures when removing said equipment from the regulated work areas.

4.0 CLEARANCE STANDARDS

4.1. Final Visual Clearance

4.1.1. Prior to requesting final visual clearance, Tri-State shall perform an inspection of the regulated work areas. Upon visual clearance the work area may be encapsulated to reduce the possibility of migration of any remaining airborne asbestos fibers.

4.1.2. Upon request by Tri-State Restorations, Inc., Environmental Solutions will conduct a final visual clearance/inspection prior to demobilization.

4.1.3. In the event that Tri-state fails (due to negligence) to meet the prescribed clearance criteria on the first attempt, any additional time for inspection to achieve visual clearance may be back-charged.

4.2. Final Inspection

The subject regulated work area shall be restored to its pre-asbestos abatement condition.

4.2.1. After thorough cleaning, begin restoration and tear-down of all barricades or barriers.

4.2.2. If other work is to be done as part of extended demolition, it can commence at this time.

4.3. Disposal of Contaminated Material, Wastes, and Objects

4.3.1. All shipping will be in accordance with Title 49, Code of Federal Regulation, Part 172.

4.3.2. All non-friable asbestos waste must be shipped using the information on shipping papers and manifests.

4.3.3. All wastes shall be disposed of in a permitted, authorized, predetermined landfill.

4.3.4. All containers shall be properly marked and meet all applicable regulations, codes, or ordinances.

4.3.5. All truck dumping containers shall be enclosed and sealed en route to the landfill.

Note: **Tri-State shall provide receipts from landfill for material deposited.**

4.3.6. All respiratory requirements specified herein shall be complied with.

Exhibit II
Field Reports

ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

2601 E. Chevy Chase Drive, Glendale, CA 91206

FIELD REPORT

Job No.: E500-005

Project Name BOEING / TRANSITE ABATEMENT

Shift Start Date 7:00 AM / 1/19/00

Project Location: 19901 NORMANDIE

Contractor: TRI-STATE

Weather Condition: CLOUDY & BREEZY

DESCRIPTION:

* 7:00 AM / TRI-STATE W/ FOUR ASBESTOS TRAINED WORKERS ON-SITE. PROJECT STATUS IS AS FOLLOWS;
  - ALL UNDERGROUND ASBESTOS/TRANSITE PIPES ASSIGNED FOR THIS PART OF THE PROJECT HAS BEEN MOVED TO THE SOUTH PART OF THE TRANSIT RD.
  - TRI-STATE IS TO ESTABLISH DEMARKATION AROUND THE ASSIGNED AREA.
  - TWO DECONS ARE TO BE USED FOR ENTRY/EXIT & DECONTAMINATION PURPOSE.
  - A BACKHOE/JACK HAMMER IS ASSIGNED BY BOEING FOR THE PURPOSE OF SEPARATING CONCRETE COVERS/CASTING FROM TRANSITE PIPES.
  - TRI-STATE IS TO WRAP ALL LARGE PIPES IN PLASTIC & USING VISUAL SWEEP TO PICK-OUT ALL SMALLER PIECES OF TRANSITE FROM DEMARKATED AREA FOR BAGGING & DISPOSAL.
* 10:00 AM / ENVIRO. SOLUTIONS ON-SITE. WE SET UP TWO LOW FLOW AIR SAMPLES DOWNSTREAM OF WIND FOR MONITORING PURPOSES. TRI-STATE WORKERS ARE IN FULL SUITS & HALF FACE RESPIRATORS. THEY WET THE PIPES & THE AREAS IN WHICH THEY PERFORM THIER WORK.
* 11:00 AM / TRI-STATE WORKERS TAKE LUNCH BREAK.
* 12:00 / TRI-STATE WORKERS RETURN & RESUME WORK.

Mike Bryan — 1/19/00

FIELD TECHNICIAN (Print Name) — SIGNATURE/DATE

ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

2601 E. Chevy Chase Drive, Glendale, CA 91206

FIELD REPORT

Job No.: ES00-005

Project Name BOEING/TRANSITE ABATEMENT

Shift Start Date 1/20/2000

Project Location: 19901 NORMANDIE

Contractor: TRI-STATE

Weather Condition: CLOUDY & BREEZY

DESCRIPTION:

* 10:00 AM THE PROJECT STATUS IS AS FOLLOWS:
- THE SEPERATION & BAG-OUT OF TRANSITE CONTINUES AS INSTRUCTED BY SCOPE OF WORK.
- ENVIRO. SOLUTIONS STARTS AIR SAMPLES @ PERRIMETER.
- NO JACK HAMMERING IS BEING PERFORMED TODAY.
- ENVIRO. SOLUTIONS MEETS W/ JOHNNY MARASCO TO DISCUSS PROJECT PROGRESS.
* 10:55 - 11:05 AM/ TRI-STATE WORKERS TAKE LUNCH BREAK.
* 12:05 PM/ TRI-STATE RETURNS & RESUMES WORK. THE CONDITIONS @ THE WORK AREA IS STABLE & CONTROLLED.
* 1:00 PM/ AIR SAMPLES ARE DISMANTLED FOR ANALYSIS.
* 1:15 PM/ ENVIRO. SOLUTIONS OFF-SITE.

MIKE REZVANI
FIELD TECHNICIAN (Print Name)

SIGNATURE/DATE 1/20/00

ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

2601 E. Chevy Chase Drive, Glendale, CA 91206

FIELD REPORT

Job No.: ES 00-005

Project Name BOEING / TRANSITE PIPE ABATE

Shift Start Date 1/21/2000

Project Location: 19901 NORMANDIE

Contractor: TRI-STATE

Weather Condition: PARTLY CLOUDY & BREEZY

DESCRIPTION:

* 10:00 AM / TRI-STATE W/ FOUR MEN ON-SITE.
PROJECT STATUS IS OK UNCHANGED.
* 11:00 AM / PRESENTLY THE WORKERS HAVE COMPLETED 30% OF THE WORK VOLUME.
THE WORKERS ARE IN FULL SUITS & CAREFULLY BREAKING CONCRETE TO SEPARATE TRANSITE FROM CONCRETE.
* 11:30 AM / TRI-STATE CREW TAKES LUNCH.
WE MEET W/ J. MARASCO TO DISCUSS THE PROJECT.
AIR SAMPLES CONTINUE TO RUN.
* 12:30 PM / THE CREW RETURNS & RESUMES WORK.
* 12:40 PM / AIR SAMPLES ARE TAKEN FOR ANALYSIS.
* 1:15 WORK CONTINUES. TODAY'S WORK MARK A 20% COMPLETION FOR ENTIRE JOB.

MIKE REZVANI
FIELD TECHNICIAN (Print Name)

1/21/00
SIGNATURE/DATE

ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

2601 E. Chevy Chase Drive, Glendale, CA 91206

FIELD REPORT

Job No.: ES00-005

Project Name TRANSITE PIPE ABATEMENT

Shift Start Date 1/24/2000

Project Location: BOEING / 19901 NORMANDIE

Contractor: TRI-STATE

Weather Condition: PARTLY CLOUDY & MILD.

DESCRIPTION:

* 10:30 Am / ENVIRO. SOLUTIONS ON-SITE.
WE HAVE LEARNED THROUGH OUR DISCUSSIONS W/ RICHARD FROM TRI-STATE THAT THE WORKERS ASSIGNED TO THIS JOB DID NOT SHOW UP TODAY & HE HAD TO REQUEST FOR REPLACEMENTS. THIS PROCESS HAS TAKEN TOO LONG. THEREFORE THE WORK HAS NOW JUST GOTTEN STARTED W/ ONLY TWO LABORS & ONE SUPERVISOR.
* 11:30 Am / THE WORK CONTINUES.
OUR VISUAL OBSERVATION OF THE WORK AREA INDICATES ON 25% OF THE WORK COMPLETED SO FAR. 50% OF THE PIPES ENCASED IN CONCRETE ARE STILL CONTAINED BY BLACK POLY @ THE WA.
* 1:00 Pm / THE ONE AIR SAMPLE IS DISMANTLED & TAKEN FOR ANALYSIS. THE TWO WORKERS CONTINUE.
ONLY 5% OF WORK WAS COMPLETED TODAY.
* 1:25 Pm / EJ OFF-SITE.

FIELD TECHNICIAN (Print Name)

SIGNATURE/DATE 1/24/00

ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

2601 E. Chevy Chase Drive, Glendale, CA 91206

FIELD REPORT

Job No.: ES00-005

Project Name TRANSITE PIPE ABATE

Shift Start Date 1/25/00

Project Location: BOEING @ 19901 NORMANDIE

Contractor: SP. TRI-STATE

Weather Condition: RAINING.

DESCRIPTION:

* 10:00 AM/ PROJECT STATUS IS AS FOLLOWS;
- TRI-STATE HAS FIVE WORKERS ONSITE. BECAUSE OF RAINY CONDITIONS. THE WORK PERFORMED BY WORKERS HAS A SLOWER PACE.
- THE WORKERS ARE EQUIPPED W/ RAIN SUITS.
- THE RAIN HAS VANISHED THE POSSIBILITY OF AIRBORNE FIBERS DUE TO WORK ACTIVITIES.
- ENVIRO. SOLUTIONS DOES NOT DEEM NECESSARY TO COLLECT AIR SAMPLES DUE TO RAIN. BUT WE'LL CONTINUE TO MONITOR WORK ACTIVITIES.

* 11:10 AM/ THE WORKERS TAKE LUNCH BREAK.
* 12:00 PM/ THE WORKERS RETURN & RESUME WORK ACTIVITIES.

MIKE REZVANI — 1/25/00.

FIELD TECHNICIAN (Print Name) SIGNATURE/DATE

ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

2601 E. Chevy Chase Drive, Glendale, CA 91206

FIELD REPORT

Job No.: ES00-005

Project Name BOEING ACM ABATEMENT

Shift Start Date 1/26/2000

Project Location: 19901 NORMANDIE

Contractor: TRI-STATE

Weather Condition: CLEAR & WINDY

DESCRIPTION:

* 10:50 AM/ ENVIRO. SOLUTIONS ON-SITE TRI-STATE W/ FIVE MEN ON-SITE. THE PROCESS OF SEPARATING TRANSITE ASBESTOS PIPE FROM CONCRETE CASING Ø CONTINUES, AS BEFORE. THE WEATHER CONDITION IS GOOD & IS ALLOWING THE CREW TO WORK W/O RAIN DISTURBANCE OF YESTERDAY.
* 10:55 AM/ ES HAS STARTED TWO AIR SAMPLES JUST EAST OF THE WORK AREA.
* 11:10 AM/ THE CREW TAKES LUNCH BREAK. THE WORK IS NEAR 50% COMPLETE.
* 12:00 / THE CREW RETURNS & RESUMES WORK.
* 12:55 PM/ THE AIR SAMPLES ARE DISMANTLED FOR ANALYSIS.
* 1:15 PM/ ES OFF-SITE; TO THE LABORATORY.

MIKE REZVANI
FIELD TECHNICIAN (Print Name)

1/26/2000
SIGNATURE/DATE

ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

2601 E. Chevy Chase Drive, Glendale, CA 91206

FIELD REPORT

Job No.: ES00-005

Shift Start Date 1/27/2000

Contractor: TRI-STATE

Project Name BOEING ACM ABATEMENT TRANSITE PIPE

Project Location: 19901 NORMANDIE AVE.

Weather Condition: CLEAR & MILD.

DESCRIPTION:

* 9:50 AM/ ENVIRO. SOLUTION ON-SITE. TRI-STATE W/ SEVEN WORKERS ON-SITE. THE PROJECT PACE HAS BEE PICKED UP. TRI-STATE IS PLANNING TO ACHIEVE VISUAL & CLEARANCE. ALTHOUGH THE AIR SAMPLE RESULTS ARE NOT @ <.01 f/c BUT IT IS IMPORTANT TO REMEMBER THAT THE SAMPLES ARE OUTSIDE AMBIENT IN A DUSTY AREA.
* 10:50 AM/ AMBIENT AIR SAMPLING HAS STARTED.
* 11:15 AM/ THE CREW TAKES LUNCH BREAK. DISCUSS THE HAZ. MANIFEST INFORMATION W/ RICHARD KIRK FROM TRI-STATE. THE MANIFEST IS EXECUTED W/ CORRECT INFO. & READY FOR TOMORROW'S TRANSPORT.
* 12:00 PM/ THE CREW RETURN & RESUMES WORK.
* 1:00 PM/ ES & AIR SAMPLES OFF-SITE.

MOST EVERY THING WAS EXECUTED WELL TODAY. TOMORROW'S TEAM/CREW WILL BE LARGER.

MIKE DEZVANI
FIELD TECHNICIAN (Print Name)

1/27/2000
SIGNATURE/DATE

Exhibit III
Air Sample Documentation

ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

2601 E. Chevy Chase Drive, Glendale, CA 91206

AIR SAMPLE DOCUMENTATION

JOB NUMBER: ES00-005 PROJECT NAME: TRANSITE PIPE ABATEMENT CLIENT: BOEING REALTY CORP.

CONTRACTOR TRI-STATE RESTORATION PROJECT MANAGER: MIKE REZVANI TECHNICIAN: —

SAMPLE NO	DATE	PUMP #	TIME ON / TIME OFF	DURATION	VOLUME	LOCATION	OPERATION	AFC READER	QA/QC READER
A-01	1/19/00	LF1	10:00	150	300 lit	N.E. OF	TRANSITE PIPE	.018 f/c	
		2.00 lit	12:30			WORK AREA	BREAKING & BAG	MR	
A-02	1/19/00	LF2	10:00	150	150 lit	S.E. OF	" "	.010 f/c	
		1.0 lit	12:30			WORK AREA	"	MR	
A-03	1/19/00	FIELD			BLANK			<.01 f/c	
								MR	
A-04	1/20/00	LF1	9:50	180	360 lit	E. OF WA	TRANSITE	.019 f/c	
		2. lit/m	12:50				PICK UP & BAG-OUT	MR	
A-05	1/20/00	LF2	9.55	180	360 lit	E./N.E OF WA		.021 f/c	
		2. l/min	12:55					MR	
A-06	1/20/00		FIELD			BLANK		<.01 f/c	
								MR	

ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

2601 E. Chevy Chase Drive, Glendale, CA 91206

AIR SAMPLE DOCUMENTATION

JOB NUMBER: ES00-005 PROJECT NAME: TRANSITE PIPE ABATEMENT CLIENT: BOEING REALTY CORP.

CONTRACTOR TRI-STATE PROJECT MANAGER: MIKE REZVANI TECHNICIAN: —

SAMPLE NO	DATE	PUMP #	TIME ON / TIME OFF	DURATION	VOLUME	LOCATION	OPERATION	AFC READER	QA/QC READER
A-07	1/21/00	LF1	10:05	150	300 lit	EAST OF	TRANSITE	0.02 f/cc	
		2 l/m	12:35			WORK AREA	ABATEMENT	MR	
A-08	1/21/00	LF2	10:05	150	300 lit	EAST OF	" "	.022 f/cc	
		2 l/min	12:35			WORK AREA	"	MR	
A-09	1/21/00		F	1	E L D	BLANK		<.01 f/cc	
								MR	
A-10	1/24/00	LF1	9:55	180	540 lit	NORTH OF	TRANSIT PIPE	0.004 f/cc	
		3 l/min	12:55			WORK AREA	ABATEMENT	MR	
A-11	1/24/00		F	1	E L D	B L A N K		<.01 f/cc	
								MR	

ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

2601 E. Chevy Chase Drive, Glendale, CA 91206

AIR SAMPLE DOCUMENTATION

JOB NUMBER: 5500-005 PROJECT NAME: ACM TRANSITE ABATE CLIENT: BOEING REALTY CORP.

CONTRACTOR TRI-STATE PROJECT MANAGER: MIKE REZVANI TECHNICIAN:

SAMPLE NO	DATE	PUMP #	TIME ON / TIME OFF	DURATION	VOLUME	LOCATION	OPERATION	AFC READER	QA/QC READER
A-12	1/26/00	LF1	10:50	120	360	EAST OF	TRANSITE ACM	0.055 f/c	
		3 l/m	12:50			WORK AREA	PIPE REMOVAL	MR	
A-13	1/26/00	LF2	10:50	120	360	" "	" "	0.039 f/c	
		3 l/m	12:50			"	"	MR	
A-14	1/26/00		FIELD			BLANK		<.01 f/c	
								MR	
A-15	1/27/00	LF1	10:40	120	240 lit	NORTH OF	ACM TRANSITE	0.047 f/c	
		2 l/min	12:40			WORK AREA	PIPE REMOVAL	MR	
A-16	1/27/00	LF2	10:40	140	420 lit	EAST OF	" "	.067 f/c	
		3 l/min	1:00			WORK AREA	"	MR	
A-17	1/27/00		FIELD			BLANK		<.01 f/c	
								MR	

ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

2601 E. Chevy Chase Drive, Glendale, CA 91206

AIR SAMPLE DOCUMENTATION

JOB NUMBER: ES00-005 PROJECT NAME: ACM TRANSITE ABATE CLIENT: BOEING REALTY CORP.

CONTRACTOR TRI-STATE PROJECT MANAGER: MIKE REZVANI TECHNICIAN:

SAMPLE NO	DATE	PUMP #	TIME ON / TIME OFF	DURATION	VOLUME	LOCATION	OPERATION	AFC READER	QA/QC READER
1/28/00									
A-18	1/28/00	LF-1	10:00	120	360 Lt	N-E OF	ACM TRANSITE	.019 f/c	
		3 l/min	12:00			WORK AREA	REMOVE	MR	
A-19	1/28/00	F I E L D				B L A N K		<.01 f/c	
								MR	